

Fig. 2 PRIOR ART

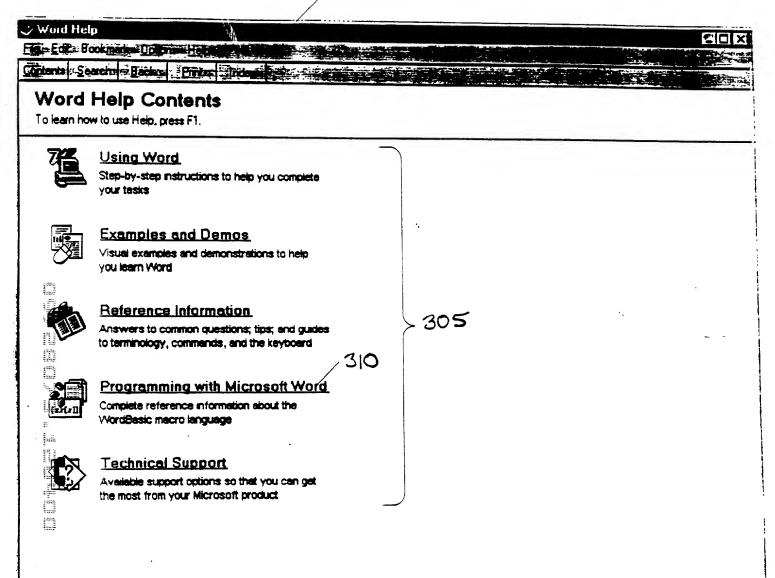


Fig. 3A PRIOR ART

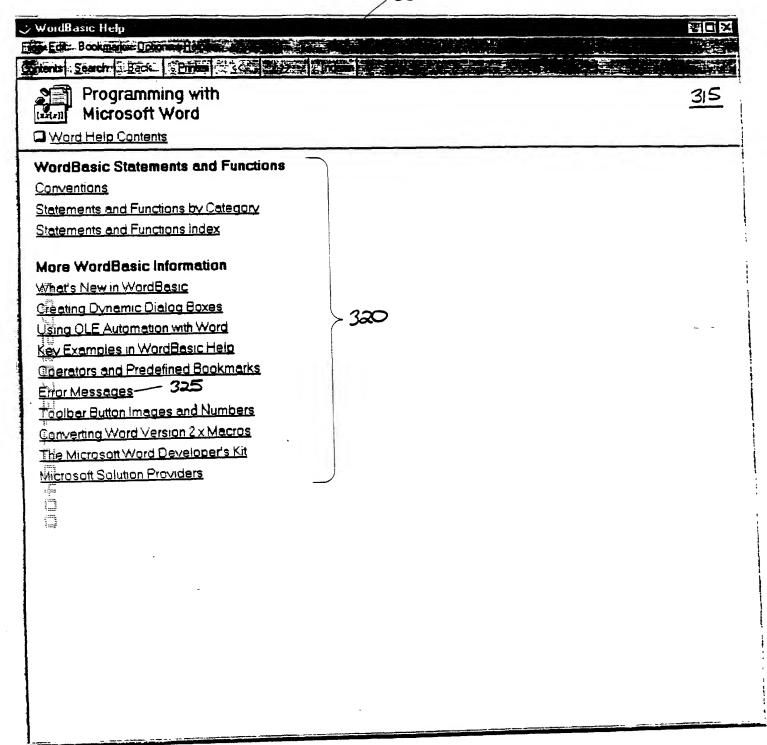


Fig. 3B PRIOR ART

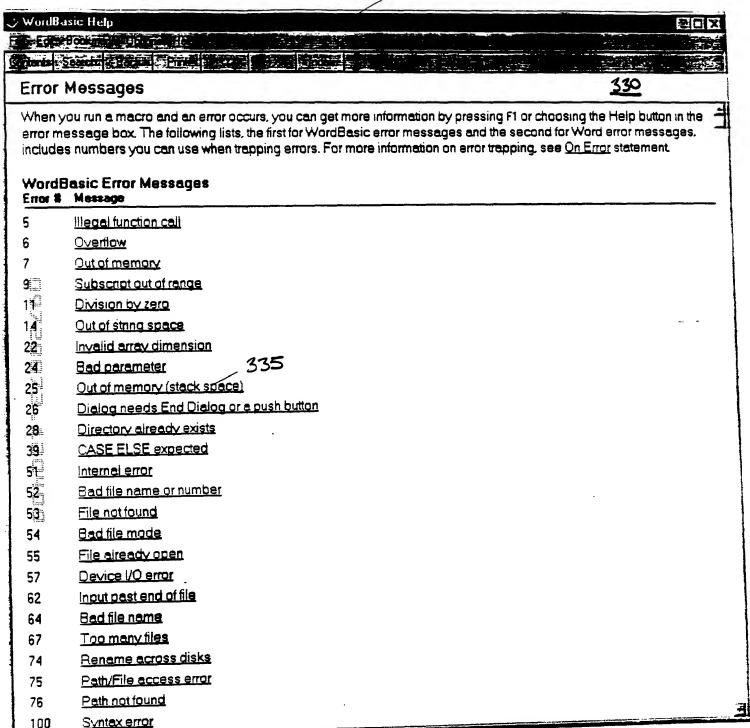


Fig. 3C PRIOR ART

Fig. 3D PRIOR ART

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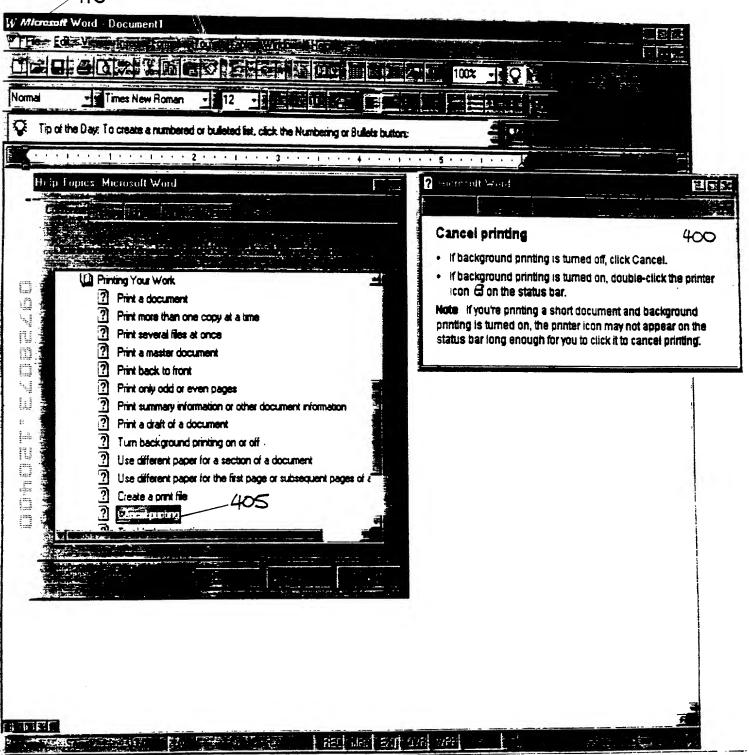


Fig. 4 PRIOR ART

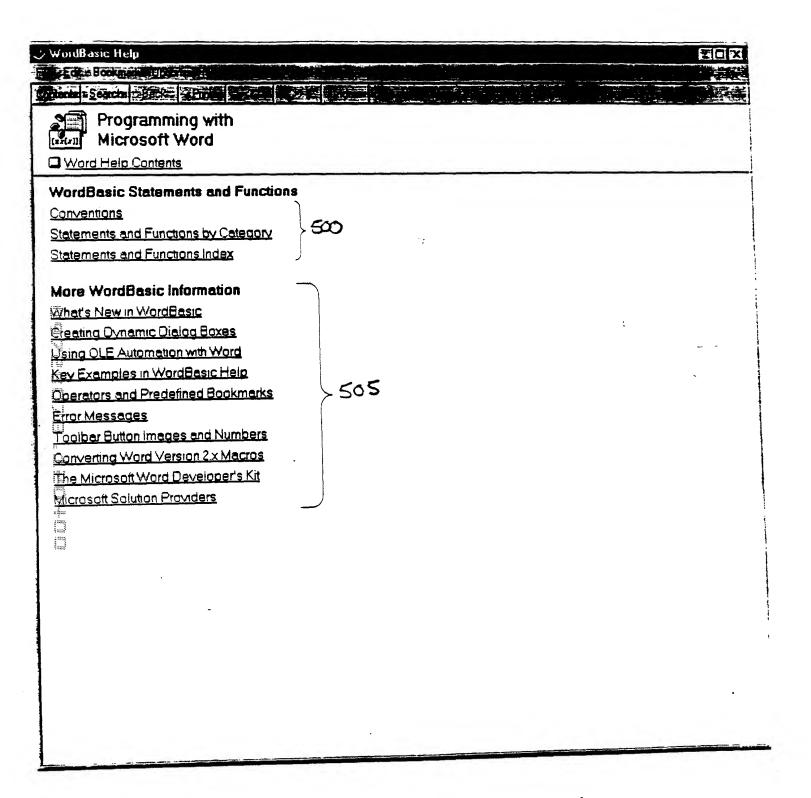


Fig. 5A PRIOR ART

> WordBasic Help	20元
Charles Search & Digital Spring	
AddAddin, AddAddin()	
Example	
AddAddin Addins (, Load)	
AddAddin(Addins [, Load])	
The AddAddin statement adds a	template or Word add-in library (WLL) to the list of global templates and add-ins in the x (Templates command, File menu).
Argument	Explanation
Addin\$	The path and filename of the template or WLL
Laad	Specifies whether to load the template or add-in after adding it to the list
	0 (zero) Does not load the template or add-in
anne Land	1 or omitted. Loads the template or add-in
	es the same as the statement and also returns a value corresponding to the position of the
with other add-in statements and further with other add-in statements and further would be statements; you can refin the WLL that take arguments mu	loaded WLL in a macro. Functions that take no arguments may be used just like sturn the names of these functions using CountMacros() and MacroName\$(). Functions ist be declared using the Declare statement.
For more information on loading g Microsoft Word User's Guide . Fo Techniques,* in the Microsoft Wor	lobal templates and add-ins, see Chapter 31, "Customizing and Optimizing Word," in the ir more information on using functions in WLLs, see Chapter 9, "More WordBasic d Developer's Kit.
See also	
Documents, Templates, and Add	Ins Statements and Functions
AddinState()	
ClearAddins	
CountAddins()	
CountMacros()	
<u>DeleteAddin</u>	
GetAddiniD0	
GetAddinName\$0	
MacroName\$11	

WordBasic Example

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GetCurValues Example

This example uses **GetCurValues** to retrieve the date the active document was created from the Document Statistics dialog box (Summary Info command, File menu). The instructions then use date functions to calculate the number of days since the document was created and display a message box according to the result.

```
Dim dig As DocumentStatistics

GetCurValues dig

docdate$ = dig.Created

age = Now() - DateValue(docdate$)

age = Int(age)

Select Case age

Case 0

MsgBox "This document is less than a day old."

Case Is > 0

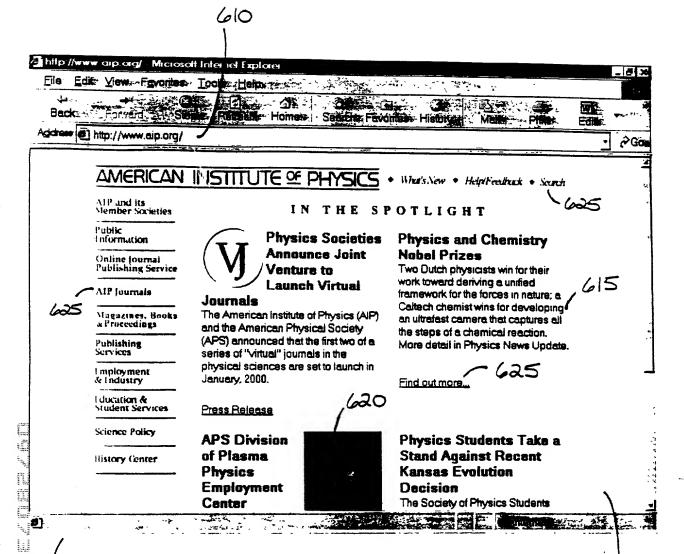
MsgBox "This document was created" + Str$(age) + " day(s) ago."

Case Else

MsgBox "Check your computer's date and time."

End Select
```

For an example that uses GetCurValues and shows how to toggle any check box, see Abs() Example.



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Fig. 6

× III	T Daunloads	720 1 Site Guide 705	1 Search 110	Home	CIV 1	1		
The Cart Man Forwards Tools Help		7.5	TOTO)					760
	LOS Edit VIEW	-						007

HB. 7

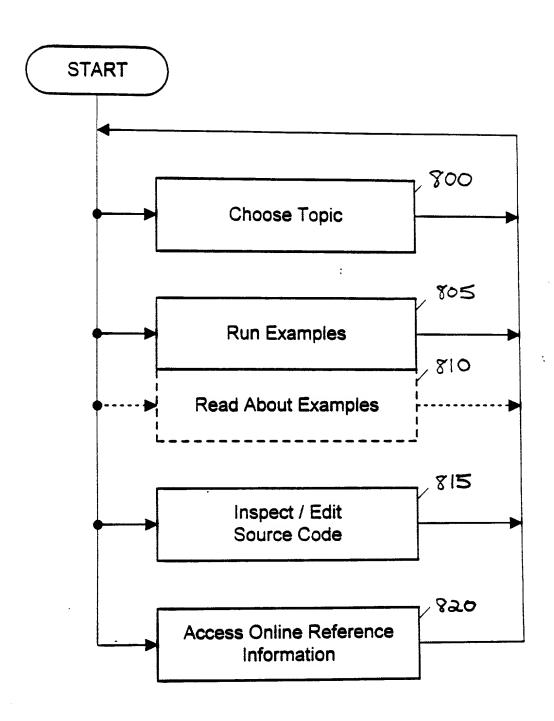


Fig. 8

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Overview

NewEra by Example

Before Using NewEra by Example
How to Get Started

Reading an Annotation

Opening the Example Source Files

Viewing Related Reference Material

Running the Example

Building the Examples Yourself

2 Newrita by Example

Introducing NewEra by Example

NewEra by Example documents over 40 NewEra programming examples using Microsoft Online Help and the NewEra 3.0 tools. You can read about examples, see their source code in the NewEra Window Peinter and Language Editor, and run them, all without leaving the online help environment.

NewEra by Example can be useful to you, the NewEra developer, in many ways, it can be a study tool to help you learn the NewEra programming language and development environment because all the examples are integrated with the development environment, you can see how each example was created in the Window Painter, study the code in the Language Editor, read the reference documentation, and study the example at runtime.

NewEra by Example can also provide you with sample code, which you can cut and pasts to use as a template for beginning your own NewEra applications.

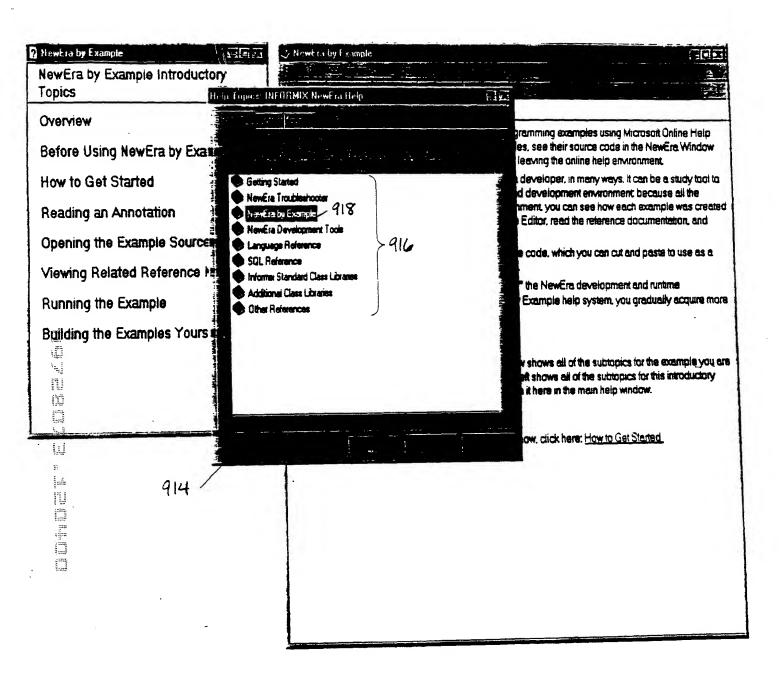
Finally, you can use NewEra by Example to "play with" the NewEra development and runtime environments. As you navigate around the NewEra by Example help system, you gradually ecquire more and more familiarity with the NewEra landscape.

Getting Around NewEra by Example

In the NewEra by Example help system, the list window shows all of the subtopics for the example you are currently examining. The list window you see at your left shows all of the subtopics for this introductory article. Click on any subtopic in the list window to open it here in the main help window.

Getting Started

To learn how to start using NewEra by Example right now, click here: How to Get Started



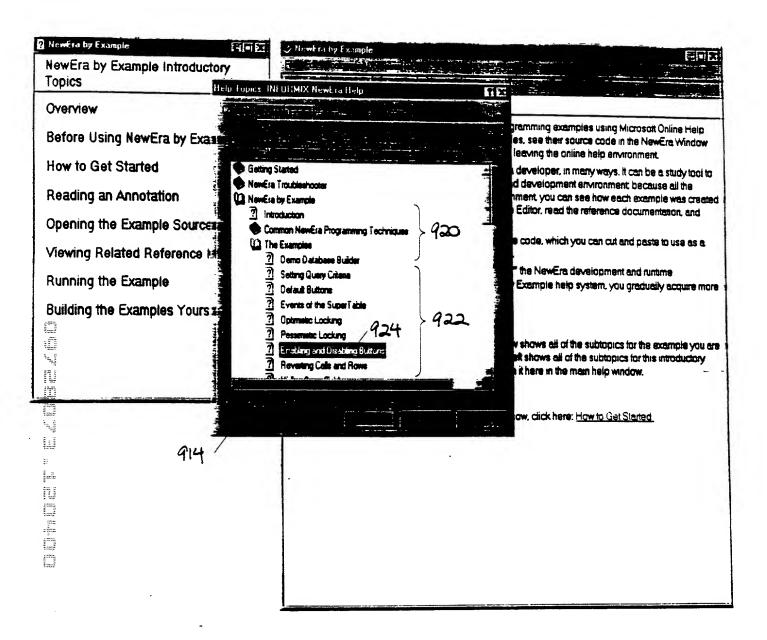


Fig. 9C

This example illustrates how to enhance the data-mode actions provided by the standard SuperTable with some special code to refine the user interface. It builds upon the functionality found in the Default Onenting the user by displaying the number of the current row within the set of rows qualified by the query (the date set). This information serves the same purpose as the line and column numbers Displays a data entry window so the end user can access a database table Gearing the data set when the user finishes with a query. Overview of the BUTTONS2 example The example contains the following tiles Disabling a button to prevent errors This file contain the MAIN() function: Source File Summary Features Introduced: displayed by text editors 2 button2m.4gl Buttons example al button2w.wif 39 S. Jan H X D Overview of the Buttons2 Example Features of the Button2 Example GentyMin: pre-header extension **Enhancements and Variations** 430 **GentyWin: pre-body extension** BlentryWin .. class extension Graphical Object Summary Important Event Handlers (a) previous BT : activate() Event Handler Summary GideleteBT.. activate() (BapplyBT activate() GlexampleWin. start() A query BT :: activate() FilmserfBT.. octvote() Eldear BT activate() GlindBT : activate() El nextBT .. ectivette() (Blexatt) activate() Phometon by Extended

Fig. 9D

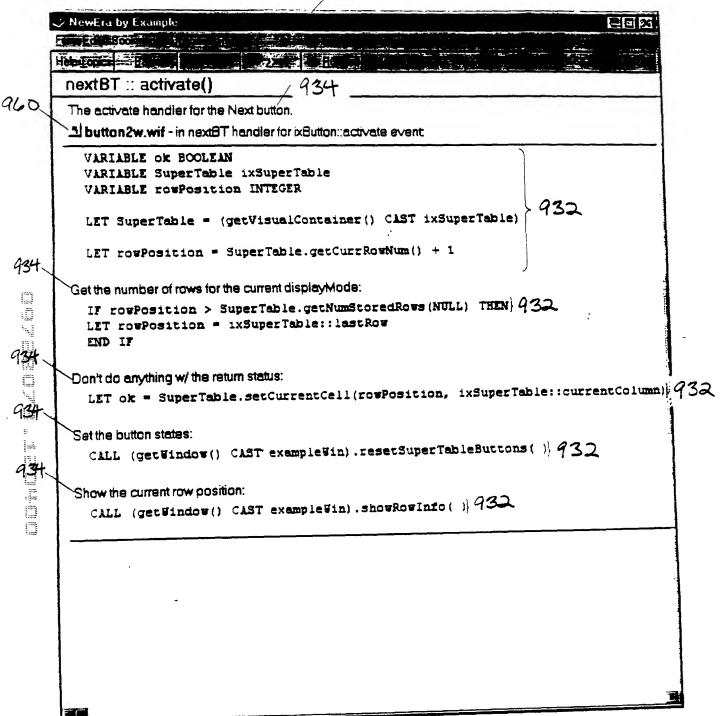


Fig. 9F

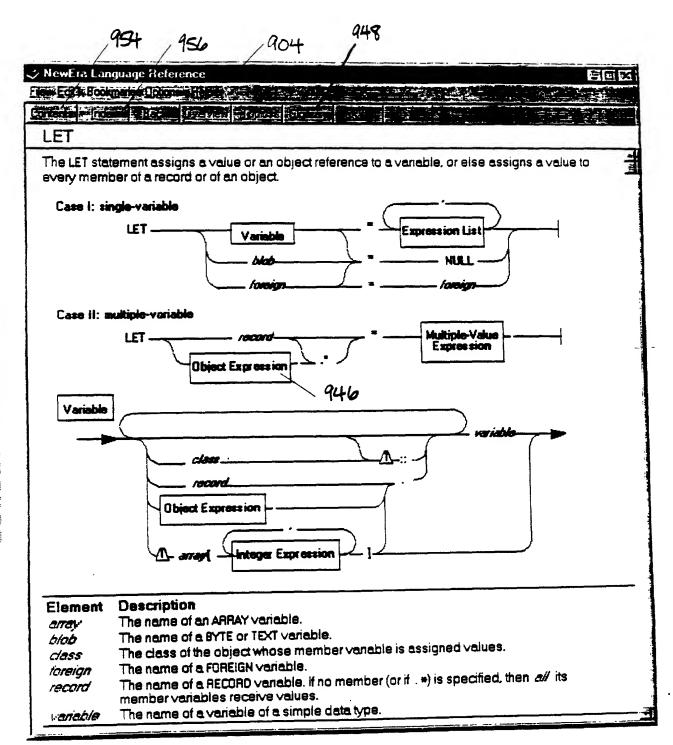


Fig. 96

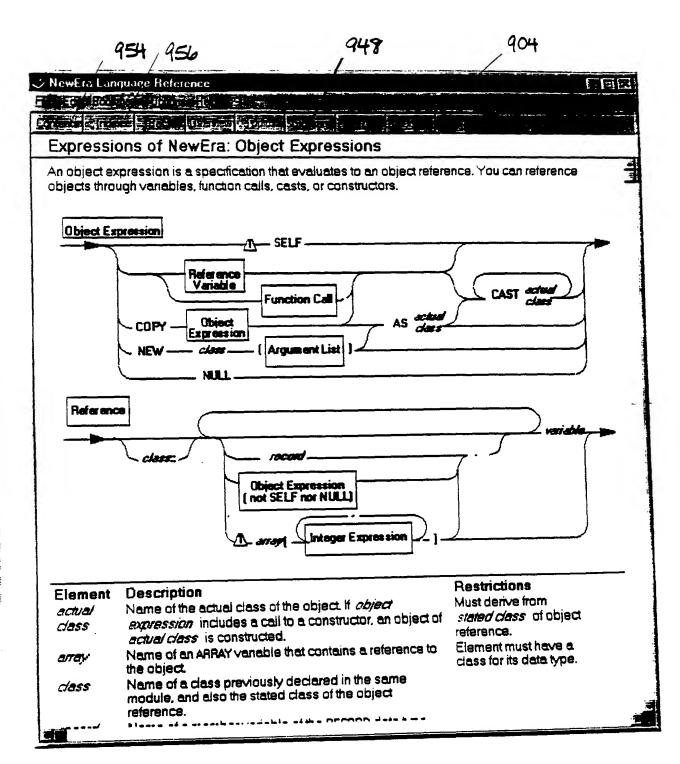


Fig. 9H

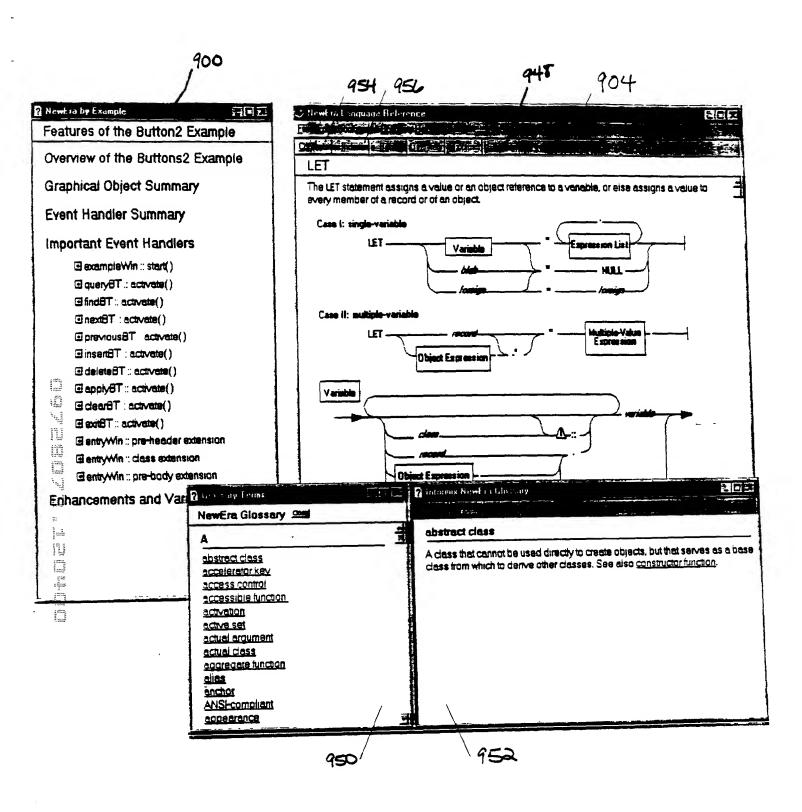


Fig. 9I

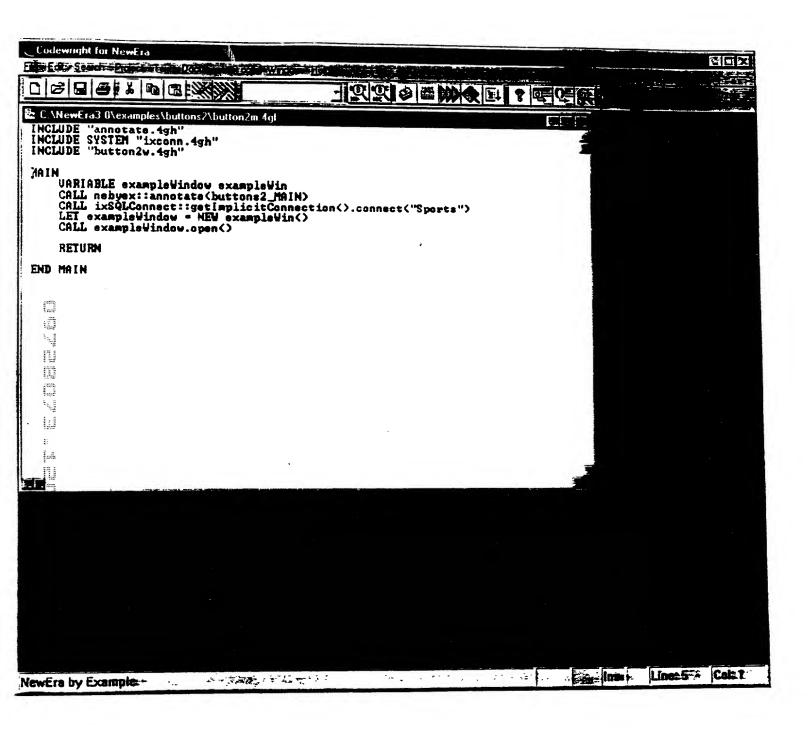
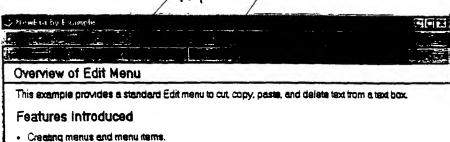


Fig. 9J

	O button2w wif ~ Enhanced QBE*		Cex C
D Wiff thintided Win D button2w.wif E			Q: customerSTisSuperTable e
Company	Customer Inform	ation -	backgroundCc
First Last Address	<fname> <address1></address1></fname>		displayMode ixSuperTable::: enabled TRUE fontBold TRUE fontItalic FALSE
City	<address2></address2>	<sta th="" zip<=""><th>fontName Arial fontSize 10 fontUnderline FALSE foregroundColl height 7230</th></sta>	fontName Arial fontSize 10 fontUnderline FALSE foregroundColl height 7230
Phone ELE Figure 12 12 12 12 13 13 13 13	<pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>		helpFile helpNum 0

Fig. 4K

? NewEra by Example 502 Features of the Edit Menu Example Overview of the Edit Menu Example The MAIN () function **Graphical Object Summary** Event Handler Summary Important Event Handlers ☑ edit1TB :: focusin () ∃ edit2TB :: focusin () ☐ nonedrtCB :: focusin () 国 exitMi :: activate () () estevote :: (Mtus E) ☐ copyMi :: activate () @ pasteMI :: activate () ☑ deleteMl :: activate () :El Extension Summary Important Extensions editWin :: class extension editWin :: preheader extension editWin :: prebody extension 1.3



- . Executing code when the user chaoses a menu item.
- . Executing built-in dipboard functions.
- . Finding the current control in an application.
- · Specifying an accelerator key for a menu item.
- . Executing code when the user enters a control.
- . Enabling and disabling manu items.

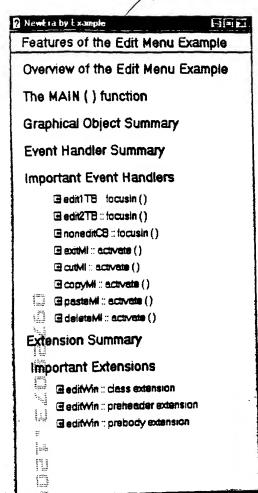
Source File Summary

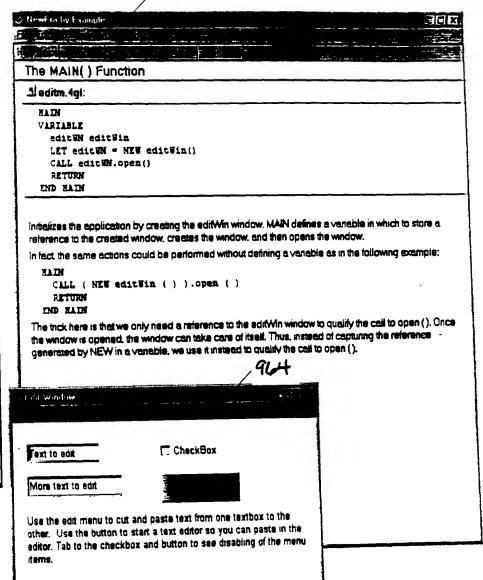
ો editm.4gl

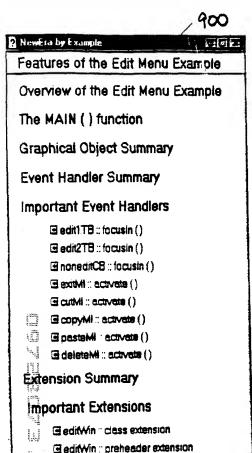
Initializes the application by creating the editWin window. The MAIN () function of the application is in this file.

Nw.wife

Provides a window with an edit menu and some demonstration text boxes.

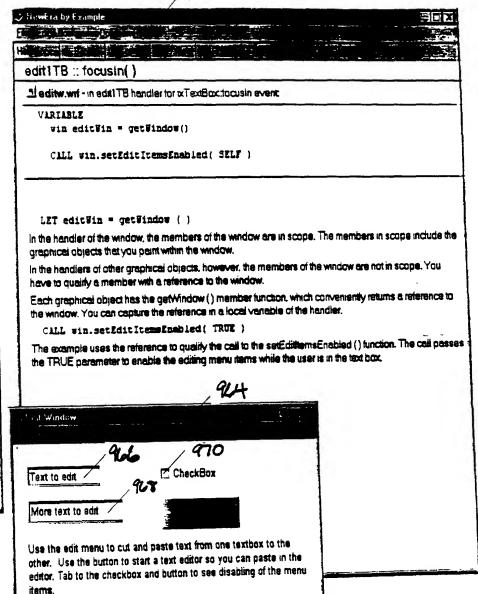




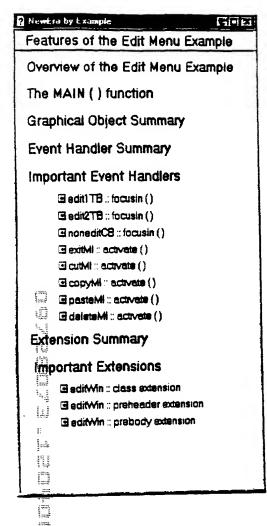


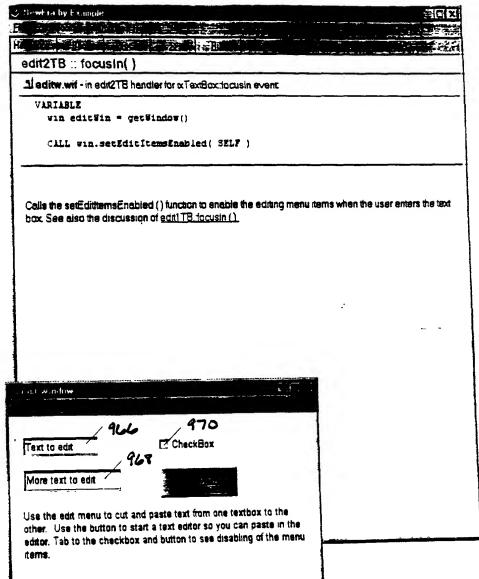
editWin prebody extension

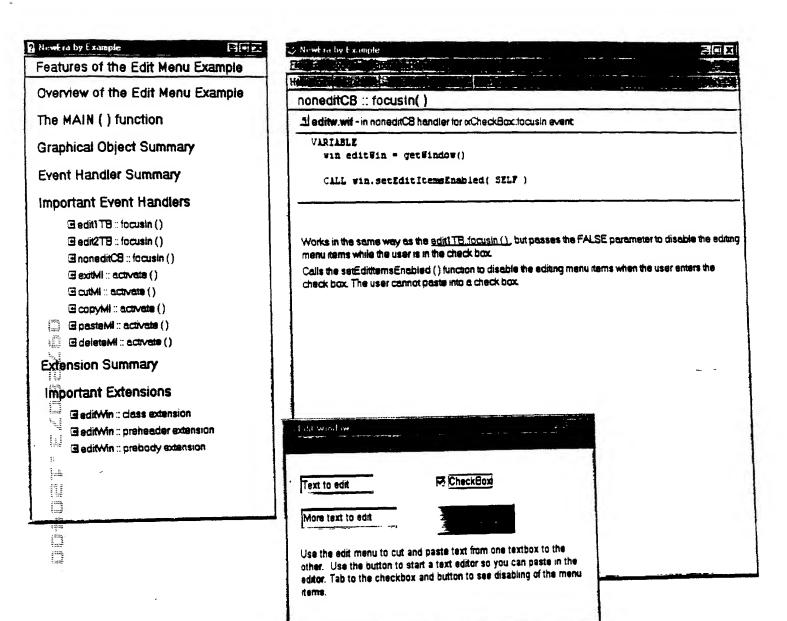
N



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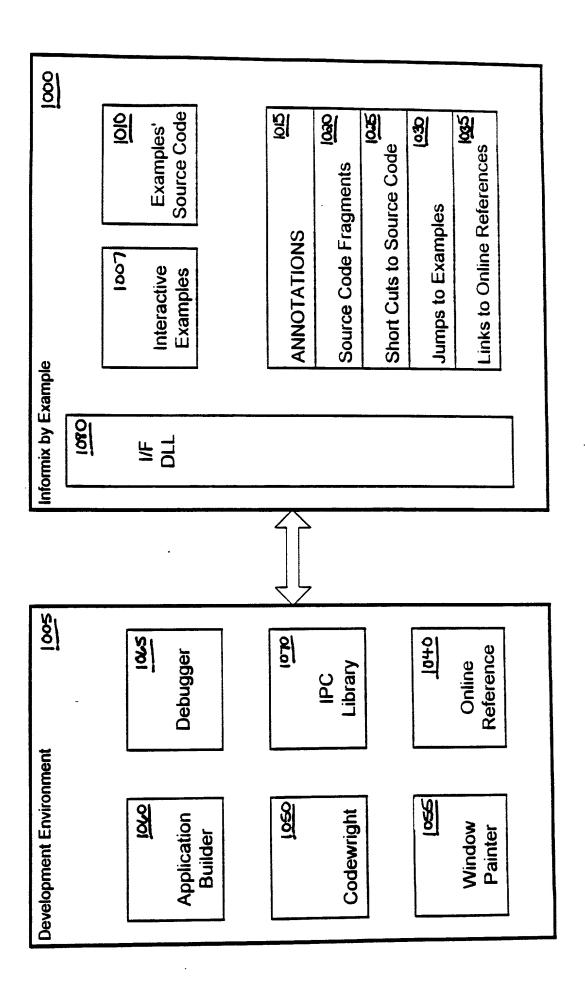


Fig. 10

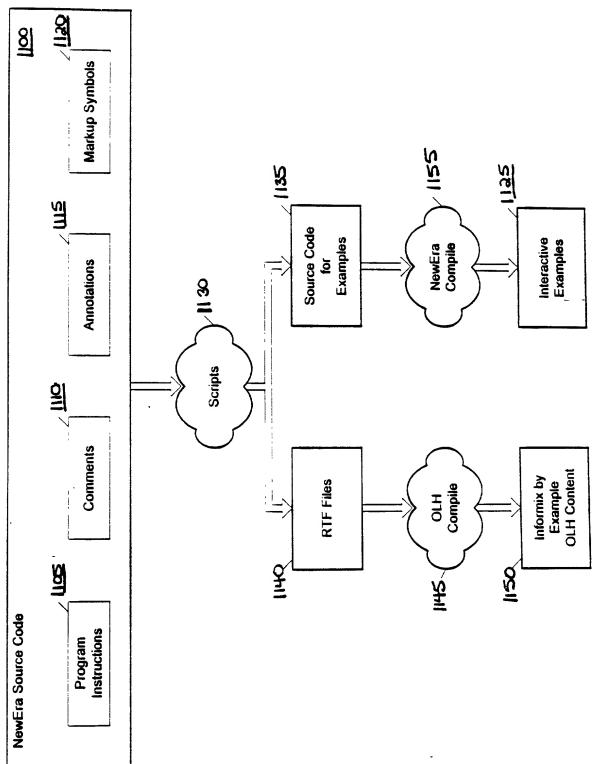
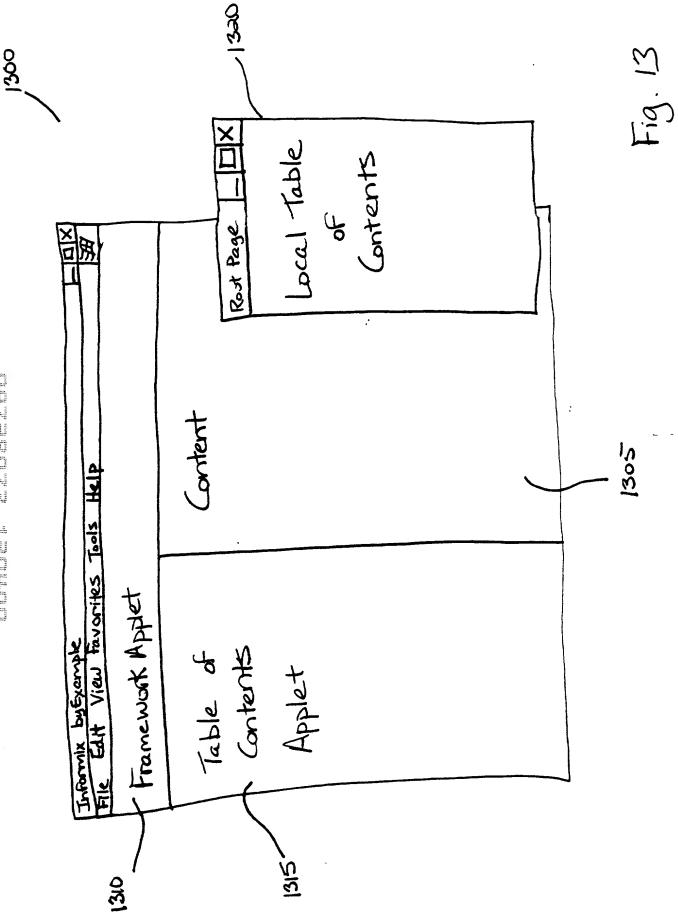


Fig. ||

{.]file stmt}

```
FUNCTION driveStockRpt( destType SMALLINT, destName CHAR(*) ) RETUR
NING VOID
     \{.normal
     Since objects, in particular ixRow objects, cannot be passed
     as arguments to the report formatter, rows of fetched data will
     be unpacked into a record that matches the data types and lengths
     of elements in the fetched rows.
     VARIABLE
          stockRec RECORD
                               -- manufact.manu name
               mn CHAR(15),
                              -- stock.stock num
               sn SMALLINT,
               sd CHAR(15), -- stock.description
               sp MONEY(6,2), -- stock.unit_price
                               -- stock.unit
                su CHAR(4)
                END RECORD,
          stockStmt ixSQLStmt,
           stmtString CHAR(*),
           stockRow ixRow,
           errorCode INTEGER,
           logFile ixErrorLog
     .normal
      Use the implicit connection object to create an SQL statement
      object. The connection object must already be connected to a
      database.
      Checking the status of the prepare() call will confirm this.
1210
      {.[edit stmt}
      LET stockStmt =
 las ixSQLConnect::getImplicitConnection().createStmtObject()
```

Fig. 12



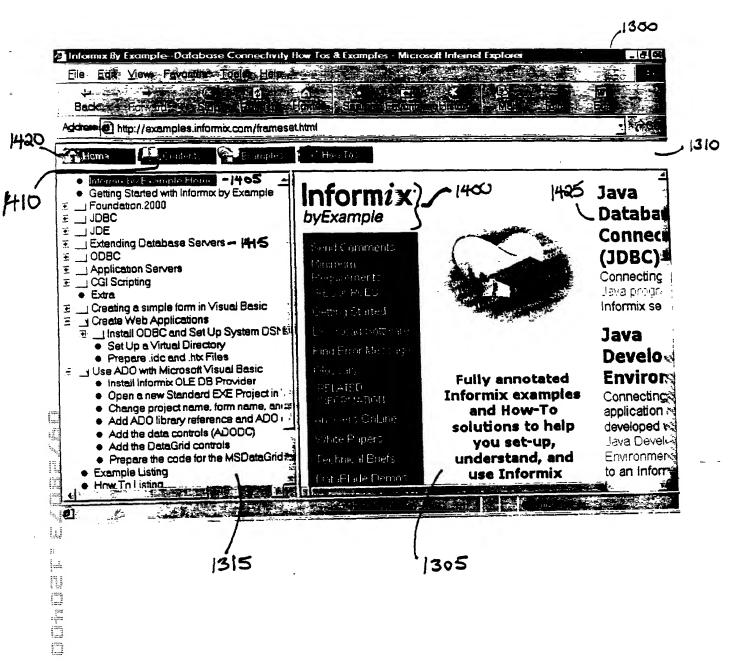
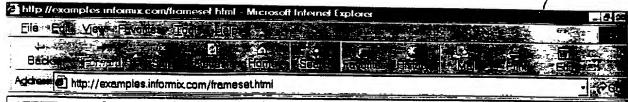


Fig. 14A



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How Too

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Informix

byExample

Send Comments Minimum

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GELATED HEORMATION

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White Papers

Technical Briefs

DataBlade Demos

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J4২≶ Java Database Connectivity (JDBC)

Connecting your Java program to an Informix server.

Java Development Environment

Connecting a web application developed within a Java Development Environment (JDE) to an Informix database environment.

Extending Database Servers

Using and Writing DataBlade Modules.

Open Database Connectivity (ODBC)

Connecting your C program to a database server.

Application Servers

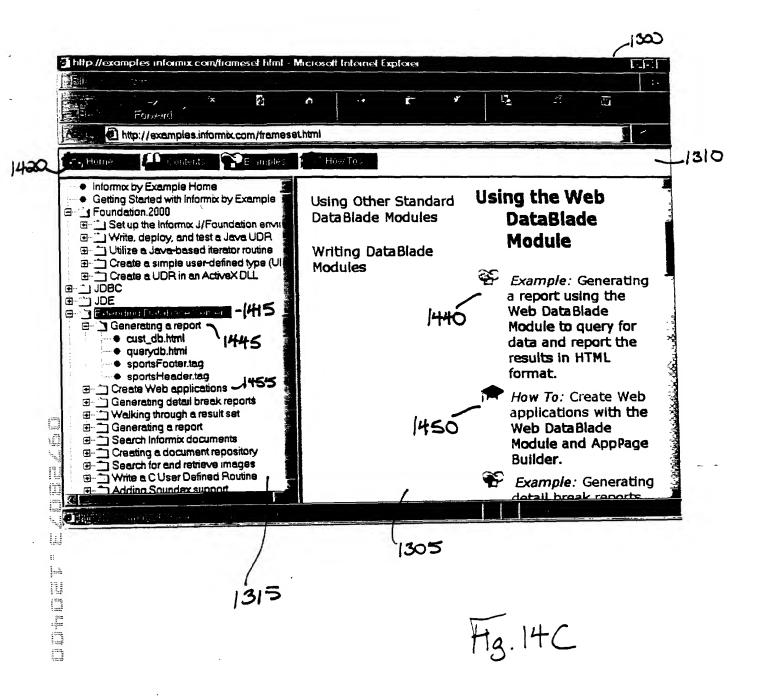
Using network application servers in conjunction.

Informix examples
and How-To
solutions to help
you set-up,
understand, and
use Informix
technology with

Fully annotated

1305

Fig. 14B



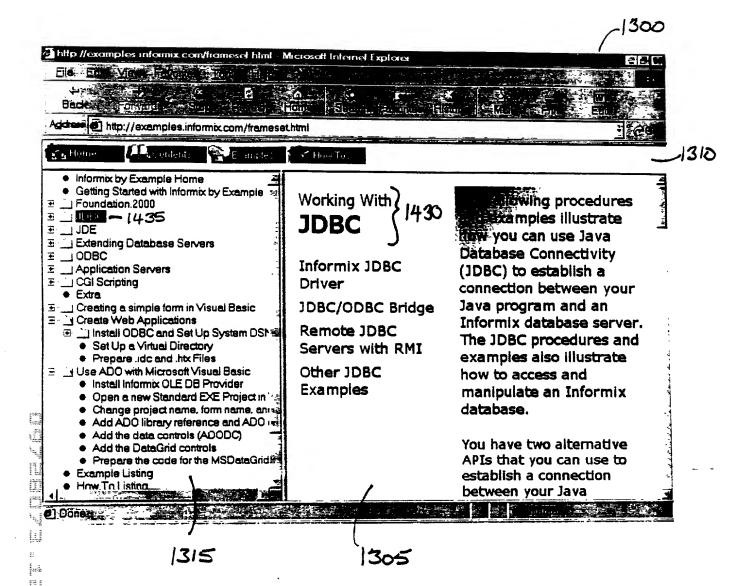


Fig.14D

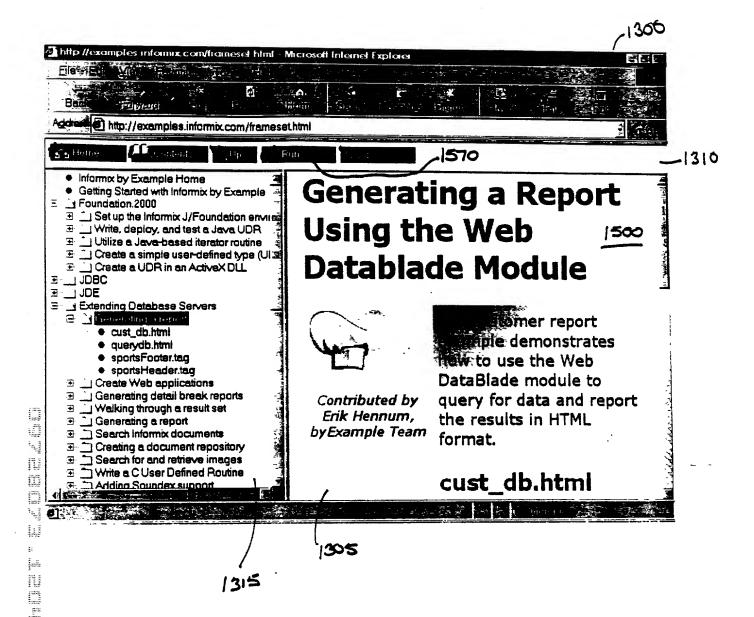


Fig. 15A

Generating a Report Using the Web Datablade Module

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Contributed by Erik Hennum, byExample Team The customer report example demonstrates how to use the Web DataBlade module to query for data and report the results in HTML format.

cust_db.html - 1510

1505

This app page accepts a query and generates an HTML report

querydb.html -1510

1505

This HTML page contains a form that invokes an app page

sportsFooter.tag -1510

1505

The sportsFooter dynamic tag generates the footer for an app page.

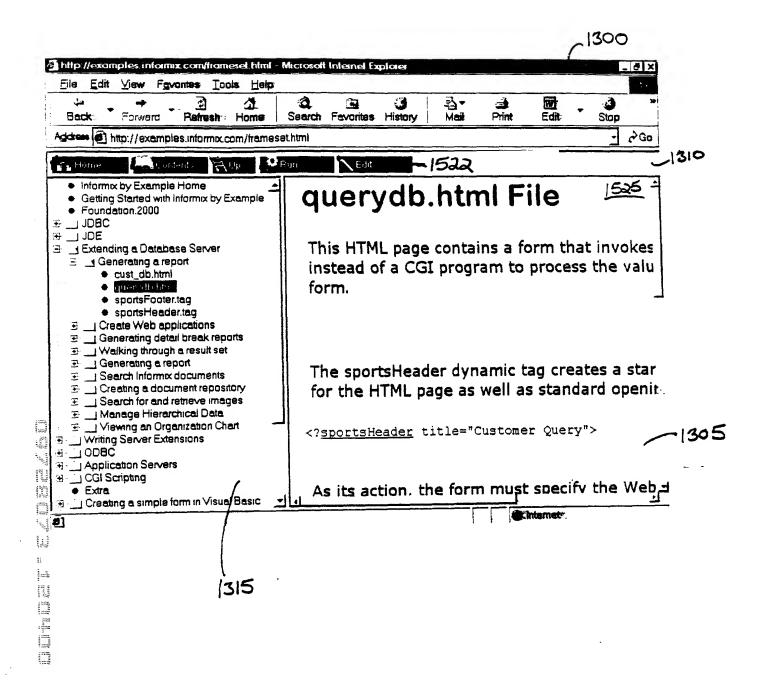
sportsHeader.tag -1510

1505

The sportsHeader dynamic tag generates the header for an app page.

Click here to view or print all of the source files for this example.

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querydb.html File

This HTML page contains a form that invokes an app page instead of a CGI program to process the values in the form.

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The sportsHeader dynamic tag creates a standard header for the HTML page as well as standard opening text.

<?sportsHeader title="Customer Query">

} 1530

As its action, the form must specify the Web Driver utility.

<FORM ACTION="<?MIVAR>\$WEB_HOME<?/MIVAR" METHOD="GET">

} 1530

To specify the app page, the form must use a hidden input component. The input component must have a name of **MIval** and a value that's the name of the app page. The input component below specifies the <u>cust_db.html</u> app page.

} 1535

<INPUT TYPE="HIDDEN" NAME="MIval" VALUE="/examples/CustRpt/cust_db.html">

Optional state:

<INPUT TYPE="TEXT" NAME="selectState" SIZE="3" MAXLENGTH="2">
<INPUT TYPE="SUBMIT" NAME="Submit" VALUE="Submit">

</FORM> </P>

ı,

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.

</BODY>

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Terms and Conditions governing the use of this website.

Fig. 15D

```
<!-- <ibyx>
<intro>
<abstract>This HTML page contains a form that invokes
an app page</abstract> instead of a CGI program to process
the values in the form.
</intro>
</ibyx> -->
<!-- <ibyx>
The sportsHeader dynamic tag creates a standard header
for the HTML page as well as standard opening text.
</ibyx> -->
<?sportsHeader title="Customer Query">
<!-- <ibyx>
As its action, the form must specify the Web Driver utility.
</ibyx> -->
<P>
<FORM ACTION="<?MIVAR>$WEB HOME<?/MIVAR>" METHOD="GET">
<!-- <ibyx>
To specify the app page, the form must use a hidden input component.
The input component must have a name of <strong>MIval</strong> and
a value that's the name of the app page. The input component below
specifies the <a href="cust_db.html">cust_db.html</a> app page.
</ibyx> -->
<INPUT TYPE="HIDDEN" NAME="MIval" VALUE="/examples/CustRpt/cust_db.html">
Optional state:
<INPUT TYPE="TEXT" NAME="selectState" SIZE="3" MAXLENGTH="2">
<INPUT TYPE="SUBMIT" NAME="Submit" VALUE="Submit">
</FORM>
</P>
<?annotate>
</BODY>
</HTML>
```

Fig. 15E

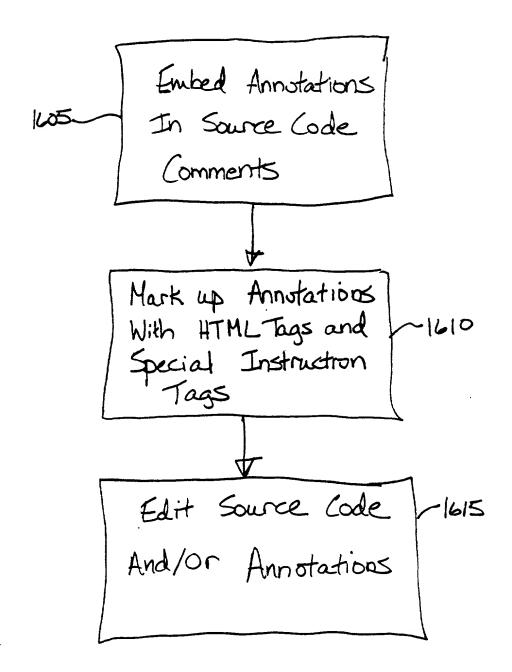


Fig. 16A

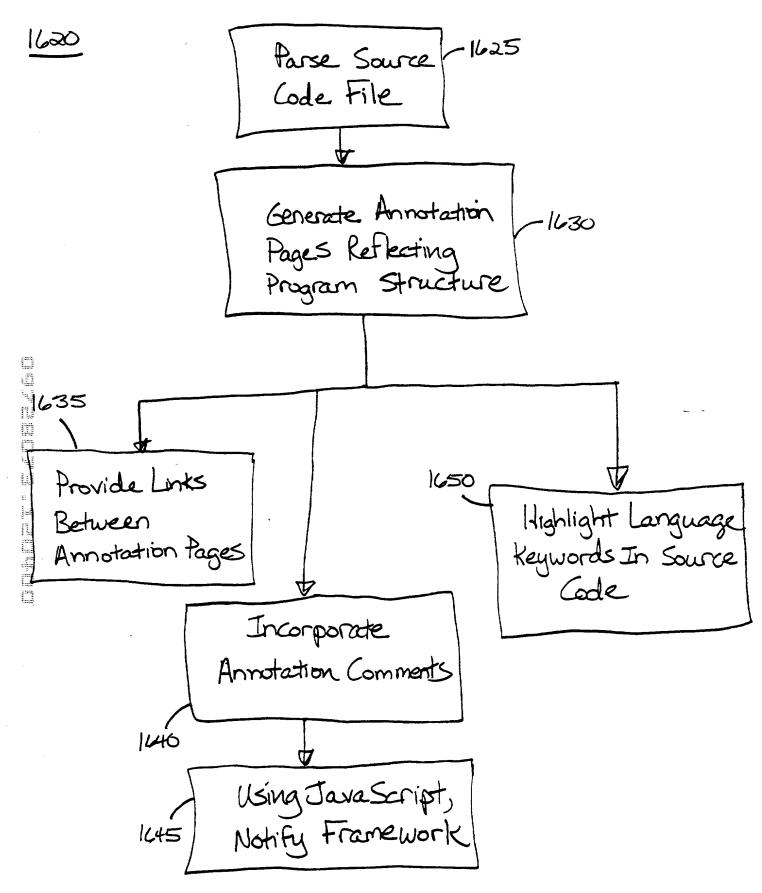
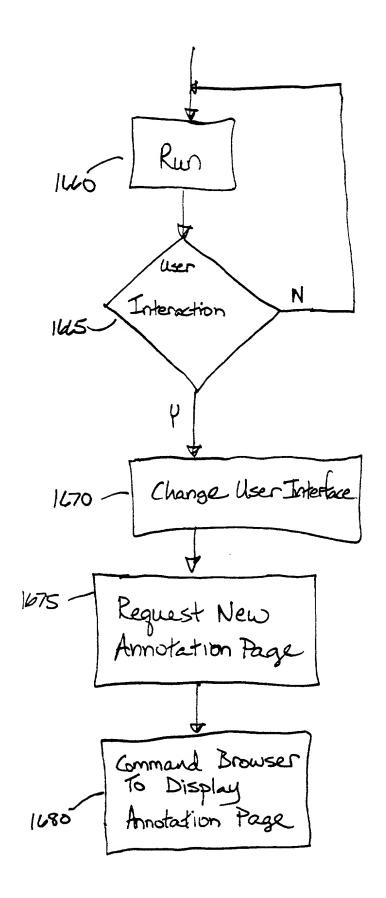


Fig. 16B



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Fig. 16C

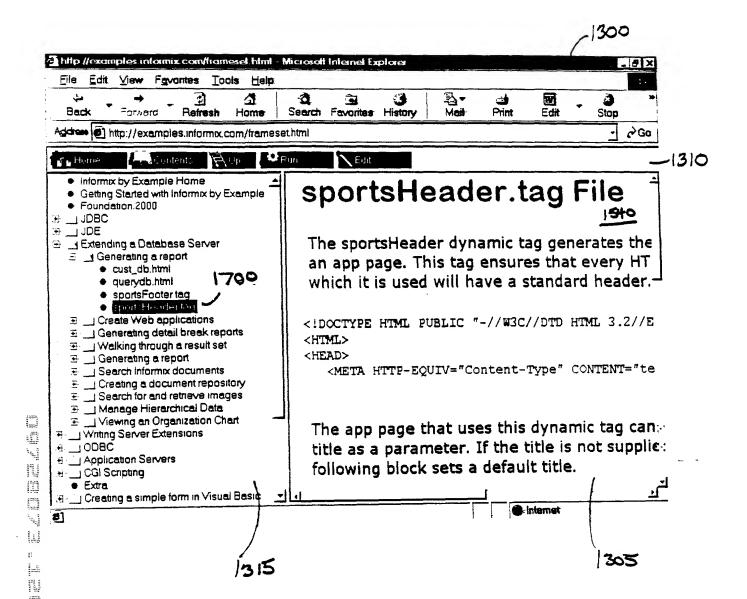


Fig. 17A

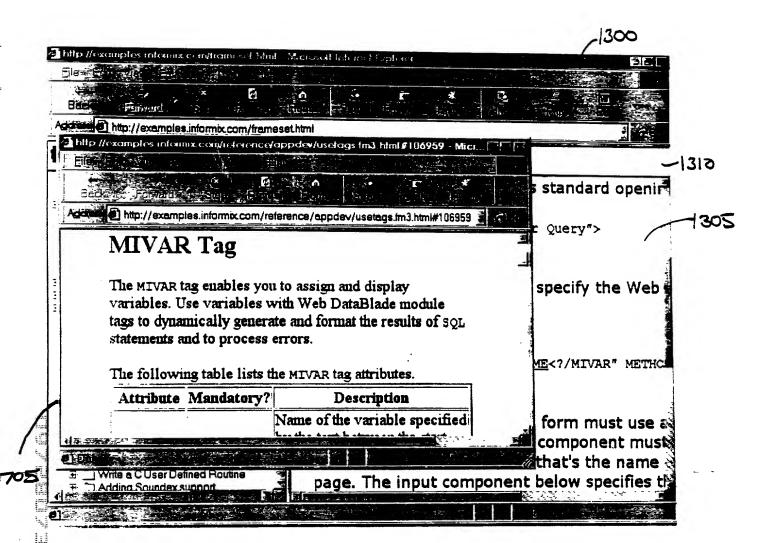


Fig. 1713

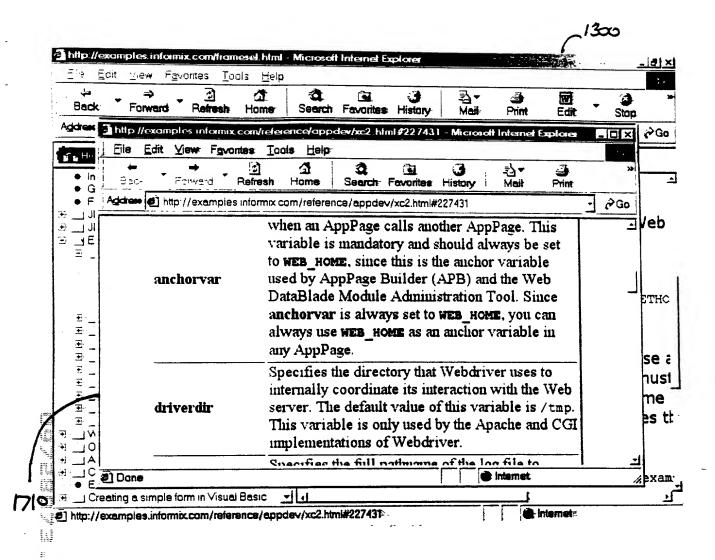


Fig. 17C

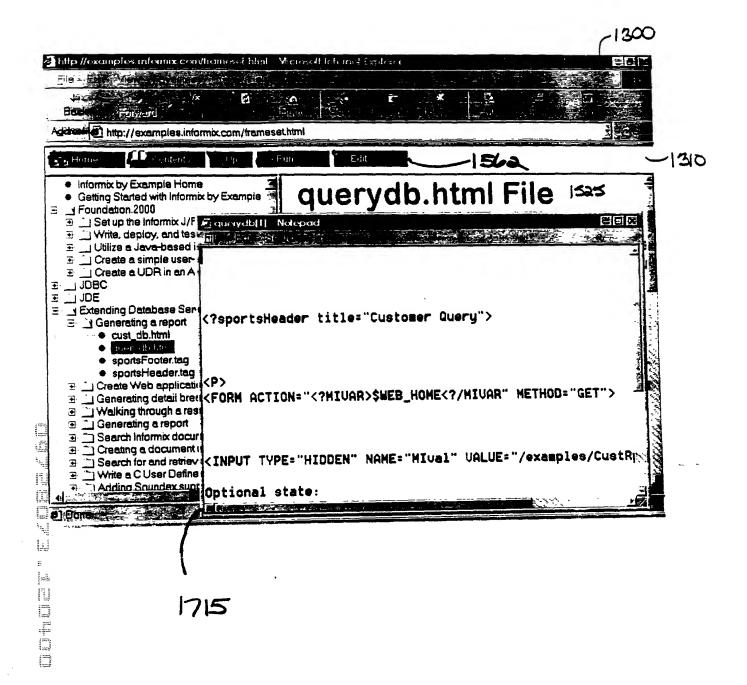


Fig. 17D

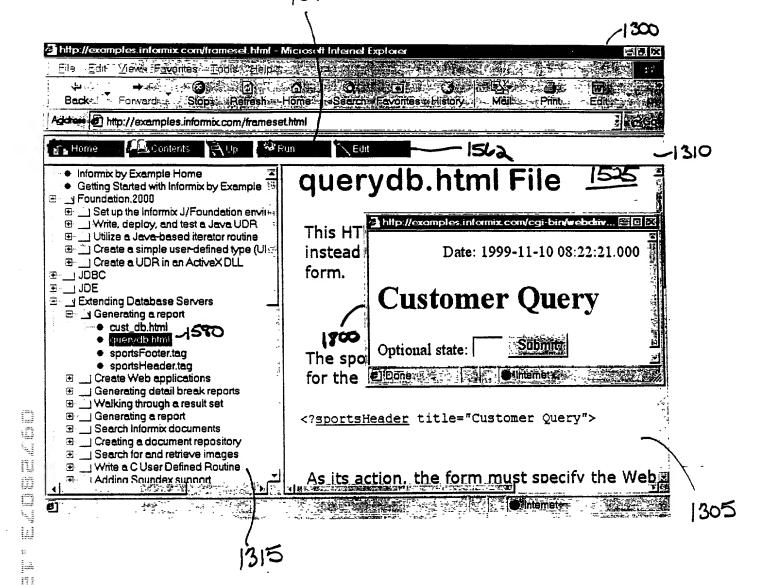


Fig. 18A

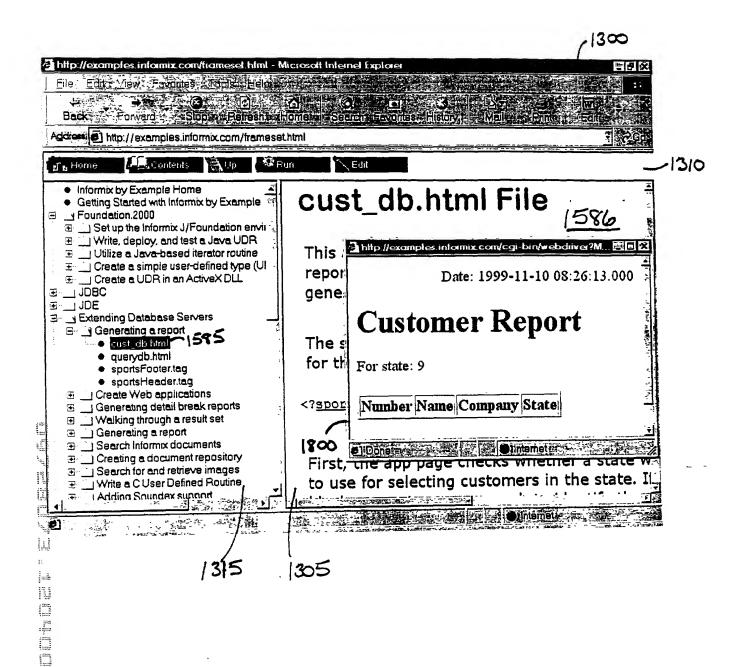


Fig. 18B

```
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```

```
<!-- <ibyx>
<intro>
<abstract>This app page accepts a query and generates an HTML
report</abstract> in response.
The app page uses dynamic tags to generate the header and footer for the
HTML report.
</intro>
</ibyx> -->
<!-- <ibyx>
The sportsHeader dynamic tag creates a standard header
for the HTML page as well as standard opening text.
</ibyx> -->
<?sportsHeader title="Customer Report">
<!-- <ibyx>
First, the app page checks whether a state was specified to use for
selecting customers in the state. If so, the block generates a
paragraph to identify the state.
</ibyx> -->
<?MIVAR NAME=$WHERE_STR><?/MIVAR>
<?MIBLOCK COND="$(AND,$(XST,$selectState),$(<,0,$(STRLEN,$selectState)))">
        <?MIVAR NAME=$WHERE_STR>WHERE state="$selectState"<?/MIVAR>
        <?MIVAR><P>For state: $selectState<?/MIVAR>
<?/MIBLOCK>
<!-- <ibyx>
Next, the app page starts the table that will contain the data.
</ibyx> -->
        <P><TABLE BORDER="1">
               <TR>
               <TH>Number</TH><TH>Name</TH><TH>Company</TH><TH>State</TH>
               </TR>
<!-- <ibyx>
The MISQL block queries for customers, optionally selecting only customers
from the specified state. Because the contents of the block are generated
for every row of data, a new table row describes each customer.
The & nbsp; HTML entity is a non-breaking space. By putting a non-breaking
space in each column, we force the Web Browser to display the column even
if the value is null.
</ibvx> -->.
<?MISQL SQL="SELECT customer_num, fname, lname, company, state FROM customer $WHERE_STR;">
                <TD>$1&nbsp;</TD><TD>$2&nbsp;</TD><TD>$4&nbsp;</TD><TD>$5&nbsp;</TD>
                </TR>
<?/MISQL>
        </TABLE></P>
<!-- <ibyx>
for the HTML page.
</ibyx> -->
<?sportsFooter>
```

Fig. 18C

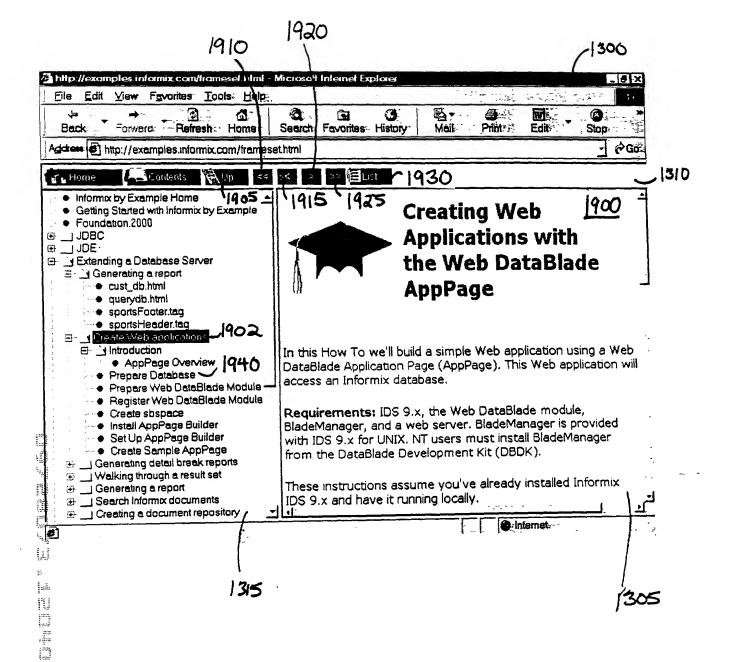


Fig. 19A



Creating Web Applications with the Web DataBlade AppPage

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In this How To we'll build a simple Web application using a Web DataBlade Application Page (AppPage). This Web application will access an Informix database.

Requirements: IDS 9.x, the Web DataBlade module, BladeManager, and a web server. BladeManager is provided with IDS 9.x for UNIX. NT users must install BladeManager from the DataBlade Development Kit (DBDK).

These instructions assume you've already installed Informix IDS 9.x and have it running locally.

Define a server connection and prepare a sample database.

- Define a server connection with setnet32 (NT). Create a sample database
- 1. or use the stores7 demo database.
- Prepare Database.
- Prepare the Web DataBlade development environment. 2.
 - Install the Web DataBlade module and BladeManager.

- Prepare Web DataBlade Development Environment.
- Register the Web DataBlade module in the demo database with BladeManager.
- Register the Web DataBlade.

4. Create a sbspace for smart large objects, like gifs.

Create Smart Blob Space (sbspace).

5. Install AppPage Builder in your database.

Install AppPage Builder in Your Database.

Setup AppPage Builder on your web server.

Setup AppPage Builder on Your Web Server.

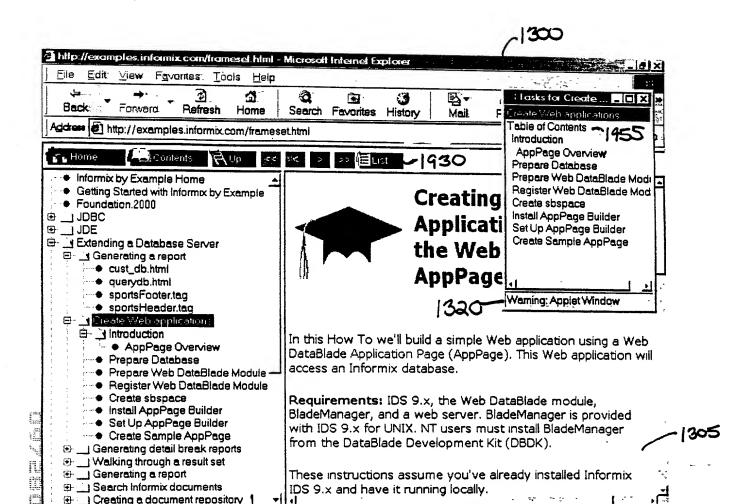
Create a sample AppPage.

Create Sample AppPage.

Run the sample application.

- 8. Enter the URL http://your_server/scripts/webdriver.exe.
 - This How To has been compiled into two separate files for ease of printing. The basic file contains all of the steps you need to Create Web Applications with AppPage Builder. The secondary file contains additional detailed instructions for setting and testing database environment properties.

Fig. 19B

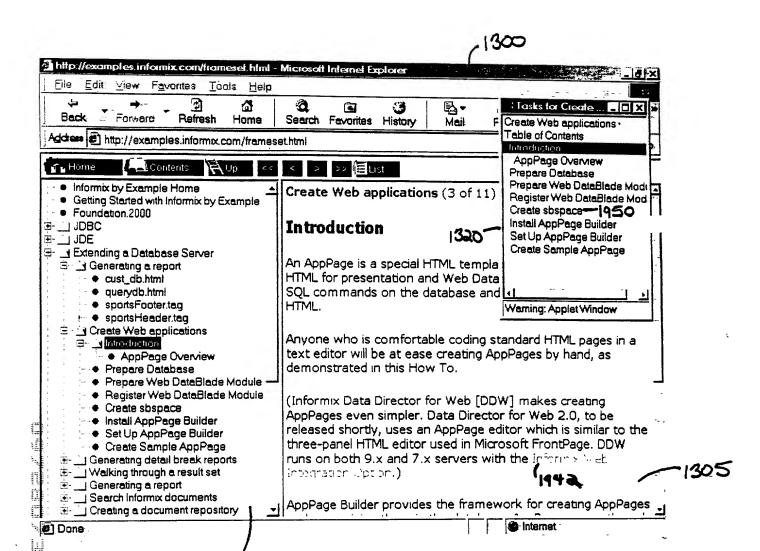


1315

Done Done

Fig. 19C

Internet



1315

Fig. 19D

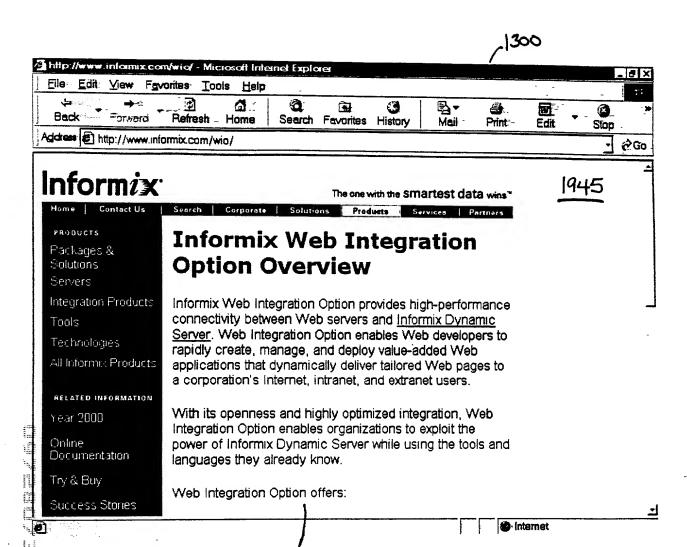


Fig. 19E

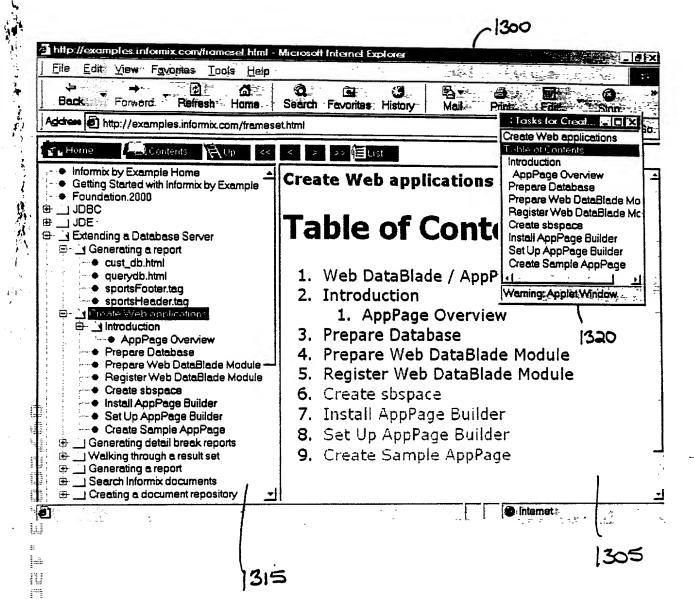


Fig. 19F

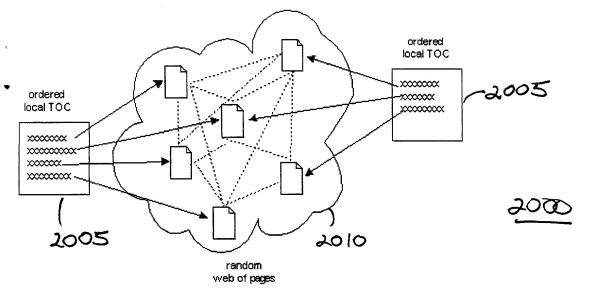


Fig. 26